



企业网站



技术支持

TENGBO VALVE SEAT FINE WORK

腾博阀座
精工细作 放心享用



温州腾博阀门配件有限公司
WENZHOU TENGBO VALVE PARTS CO., LTD.

地址: 浙江省永嘉县瓯北街道和二村

Add: He Er Village, Dubei Street, Yongjia County, Wenzhou City,
Zhejiang Province, 325102, P.R. China

Tel: +86-577-6898 4989

Fax: +86-577-6699 4989

E-mail: sales@chinatbo.com

 **技术支持 158 6802 9948**
TECHNICAL SUPPORT
www.chinatbo.com

温州腾博阀门配件有限公司版权所有, 产品有专利保护, 侵权必究法律责任。
本样本仅介绍了部分产品, 另有改动, 恕不通知, 请联系我可索取最新版本。

Copyright 2019 © Wenzhou TENGBO Valve Parts Co., Ltd. All rights reserved, held accountable by law.
The sample introduces some products subject to change without prior notice, please do not hesitate to contact us for new version.

策划设计: 中间传媒



目录 CONTENTS

- 01 企业简介
ABOUT US
- 03 企业资质
HONORS & CERTIFICATE
- 05 车间装备
WORKSHOP APPLIANCE
- 07 检测设备
INSPECTION EQUIPMENTS
- 11 产品展示
PRODUCT DISPLAY

TB-F1

TB-G1

TB-H1

TB-I1

TB-J1

F316+RPTFE

F316+WC

F316+CrC

F316+STL 0.3mm

F316+STL 2mm

A105+D507Mo/ A105+STL6

企业简介 ABOUT US

温州腾博阀门配件有限公司坐落于享有“中国泵阀之乡”美誉的温州市瓯北工业园区，是一家专业的阀门(主要是球阀)密封全套方案供应商。我们的特点在于：

领先工艺

我们以先进的阀门密封件制造工艺技术为基础，拥有独立的金属表面硬化处理车间和核心技术，加工中心、多轴联动进口数控车床、大型数控立车等，阀座生产尺寸从1/2英寸到60英寸。集合国外领先的生产工艺及现代企业管理制度，保证了产品的超高品质和质量的稳定性。同时，先进的生产工艺还保证了快捷的交货周期，帮助客户提高生产效率。

严格体系

我们严格按照ISO9001: 2015体系认证质量管理体系要求，将质量的过程控制作为公司的立足之本，确保产品质量的稳定、可靠。

顶尖团队

我们的团队来自国内大型企业高级工程师，他们有着丰富的管理及生产经验，能够为客户提供咨询、设计、生产、改进等全方面的服务。充满活力与创新，能够快速响应客户的各种需求。

高性能产品

我们将世界知名企业的成熟经验与国际先进生产工艺相结合，努力降低成本，为阀门企业提供高品质、高性价比的密封结构件。成为行业领域内的专业阀座密封方案供应商，为我国中高端阀门密封系统实现“进口替代”是我们的光荣使命。

Wenzhou TENGBO Valve Parts Co., Ltd. is located in OUBEI Industrial Park, Wenzhou City, which enjoys the reputation of "Hometown of Pumps and Valves in China". It is a professional whole-package solution provider of valve (mainly ball valve) seals. Our advantages include the following:

Leading Process

Based on advanced manufacturing technology of valve seal, we have an independent metal surface hardening workshop and core technology, equipped with machining center, multi-axis linkage imported CNC lathes, large CNC vertical lathe, etc., covers the production size of the seat ranging from 1/2 inch to 60 inches. The combination of foreign leading production technology and modern enterprise management system ensures the super-high and stable quality of the products. At the same time, the advanced production process also guarantees a fast delivery cycle and helps customers to improve production efficiency.

Strict System

We strictly suit the requirements stipulated in ISO9001: 2015 quality management system, lay stress on quality control throughout the process so as to ensure a stable and reliable product quality.

Top Team

Senior engineers in our team come from large domestic enterprises. They have abundant experience in management and production and can provide customers with all-around services like consulting, design, production and improvement. They are dynamic and innovative can respond quickly to the needs of the customers.

High Performance Products

We combine the mature experience of world-renowned companies with international advanced production technology, and strive to reduce costs and provide high-quality, high-cost-effective sealing structural parts for valve companies. It is our glorious mission to become a professional solution provider for valve seat seals in the industry and to realize "import substitution" for China high-end valve sealing system.



企业资质 HONORS & CERTIFICATE

公司获得的资质和荣誉，是对企业过去取得成绩的肯定，也是对企业创造明日辉煌的鼓舞和鞭策！
向新的台阶迈进，是团队的顽强拼搏，永不停歇的信念！

The certification and honors obtained is the recognition to the past achievements of the enterprise and also the encourage and urging for the future brilliance!
Striding forward new stage is perseverance and unceasing belief of the team!



**EC
CERTIFICATE
NO.1727501**



**ISO 9001:2015
QUALITY
MANAGEMENT
SYSTEM**



车间装备 WORKSHOP APPLIANCE



企业一直坚持严格控制把关每一个环节、每一道工序,从设计研发到生产作业各个环节的质量状况。检测系统流程均按照国际先进的行业标准要求,自产品设计就纳入一套极其严谨、精确的程序之中,从设计、选材、制造、组装到检测与试验,每个环节都要经历苛刻检测程序,将精度控制到最严密,将产品品质控制到最优异,对每一细微之处的精益求精,都做到最完美,让客户在使用的时候,深切感受到我们严谨务实的品质宗旨.....

The enterprise always persists in the strict control of the quality in every procedure and each detail including design, R&D and production. The inspection process suits the requirements as per international advanced industrial standards, a rigorous and exact program is accessible from the starting of the design to make impressive inspection procedures in every procedures such as design, materials choice, manufacturing, assembly, inspection & debugging so as to control tightest precision and best quality, and keep improving in each detail, therefore, the customers can deep touch our rigorous and practical quality tenet as using.



检测设备 INSPECTION EQUIPMENTS



过程检验,严格把关
确保产品安全可靠性能

Strict monitoring in the process
Inspection ensures the
Safe and reliable
Performance of products



检测设备 INSPECTION EQUIPMENTS

为了提供高品质产品
配置了先进检测设备以及完善的检测手段
建立了一支严格要求的品质管理队伍
实现了从原材料检测
生产过程检测
产品及应用全过程的质量控制。

In order to provide high-quality products, we introduce advanced inspection equipments and a complete inspection measure, establish an exacting quality control team, to make quality control on the whole production and application process involving raw materials inspection and production inspection.



先进制造工艺 成就完美品质

Advanced manufacturing technology
Achieve a perfect quality

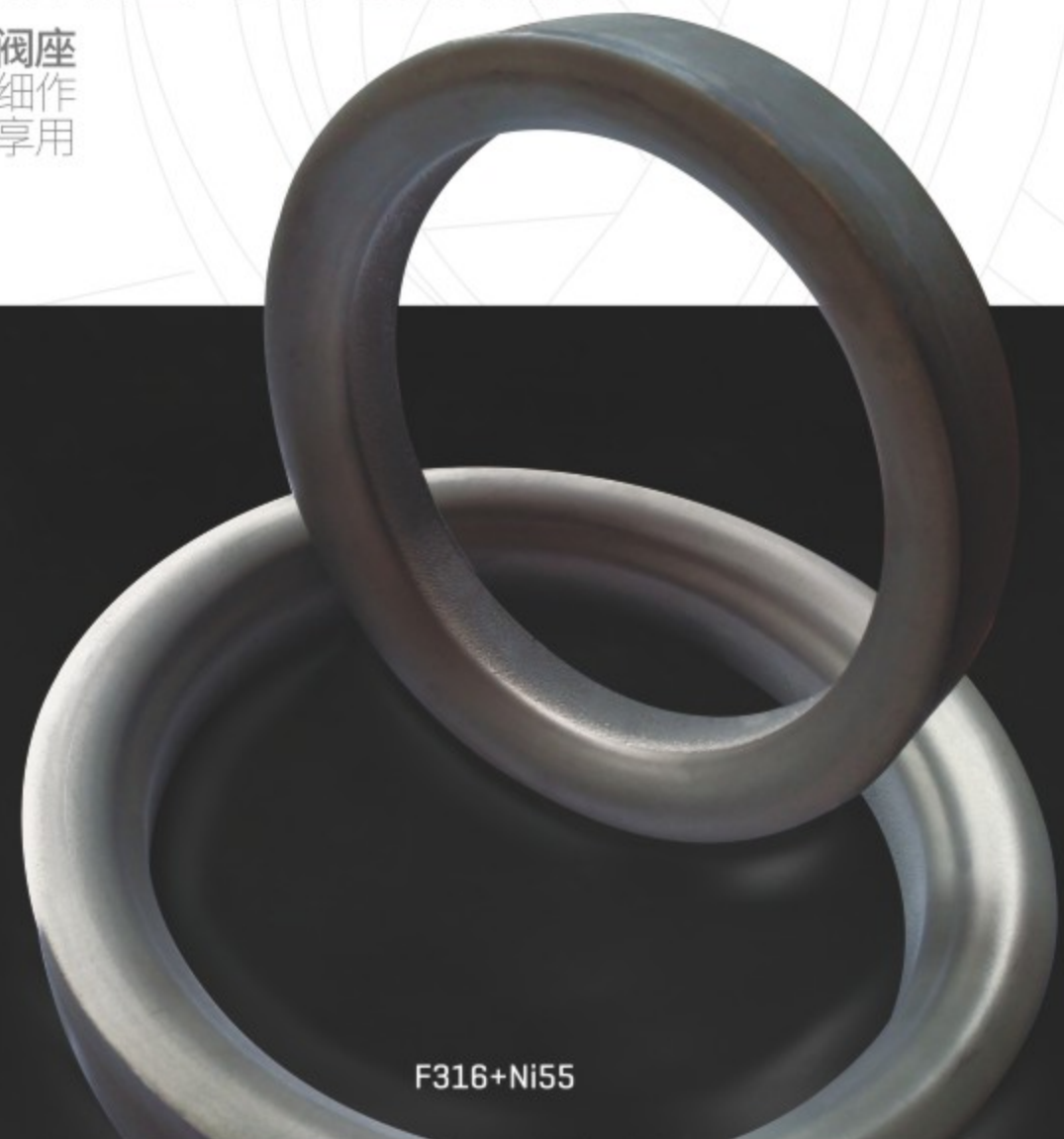




F316+STL

TENGBO VALVE SEAT FINE WORK

腾博阀座
精工细作
放心享用



F316+Ni55

结构:

该阀座为综合TB-D1和TB-E1型阀座的派生型。阀座由金属基座内安装高性能抗失压爆破[AED]弹性体密封圈与球体形成密封副,再压金属插件限位。

特性:

金属插件隔离颗粒物质,保护弹性体密封圈;金属插件耐磨抗冲刷,结构坚固稳定。

适用:

此结构推荐使用于经常启闭的中低压力中小口径含气体介质工况。腾博推荐尺寸为DN50-DN150,压力等级PN16-PN63,Class150-Class400。

**Structure:**

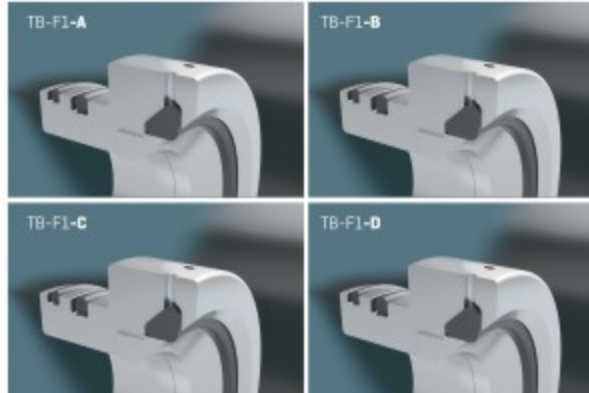
The seat is a derived model of TB-D1 and TB-E1 seats. The seat consists of a high-performance anti-pressure explosion [AED] elastomer seal ring and a sphere, which is installed in the metal base to form a sealing pair, and then the metal plug-in unit is pressed for limit.

Characteristic:

Metal plug-in unit isolates particulate matter and protects elastomeric sealing ring. Metal plug-in is wear-resistant and erosion-resistant, and its structure is firm and stable.

Application:

This structure is recommended to be used in medium or low pressure and medium or small caliber gas-containing medium with frequent opening and closing. The recommended dimensions of Tengbo are DN50-DN150, pressure grade PN16-PN63, Class 150-Class400.

产品结构图 PRODUCT STRUCTURE

1	2	3	4	5	6
副O形圈 Minor O-Ring	主O形圈 Major O-Ring	石墨盘根 Graphite Packing	阀座圈 Seat Ring	三角圈 Delta Ring	金属插件 Metal Plug-in Unit

结构:

该阀座由金属基座安装高性能抗失压爆破(AED)弹性体密封圈与球体形成密封副。基座头部安装阀座压盖后, 装入金属弹性卡圈, 起到限位和固定作用。

特性:

金属基座隔离颗粒物质, 保护弹性体密封圈; 弹性体密封圈补偿量大, 密封效果好。

适用:

此结构推荐使用用于经常启闭的中低压力中小口径含天然气介质工况, 腾博推荐尺寸为DN50-DN300, 压力等级PN16-PN63, Class150-Class400。

**Structure:**

The seat consists of a high-performance anti-pressure explosion (AED) elastomer seal ring and a sphere, which is installed in the metal base to form a sealing pair. After the seat gland is installed at the base head, the metal ring retainer is mounted for limit and fastening.

Characteristic:

Metal plug-in unit isolates particulate matter and protects elastomeric sealing ring. The elastomer seal ring has a large compensation available for great sealing effect.

Application:

This structure is recommended to be used in medium or low pressure and medium or small caliber natural-gas-containing medium with frequent opening and closing. The recommended dimensions of Tengbo are DN50-DN300, pressure grade PN16-PN63, Class150-Class400.

产品结构图 PRODUCT STRUCTURE

结构:

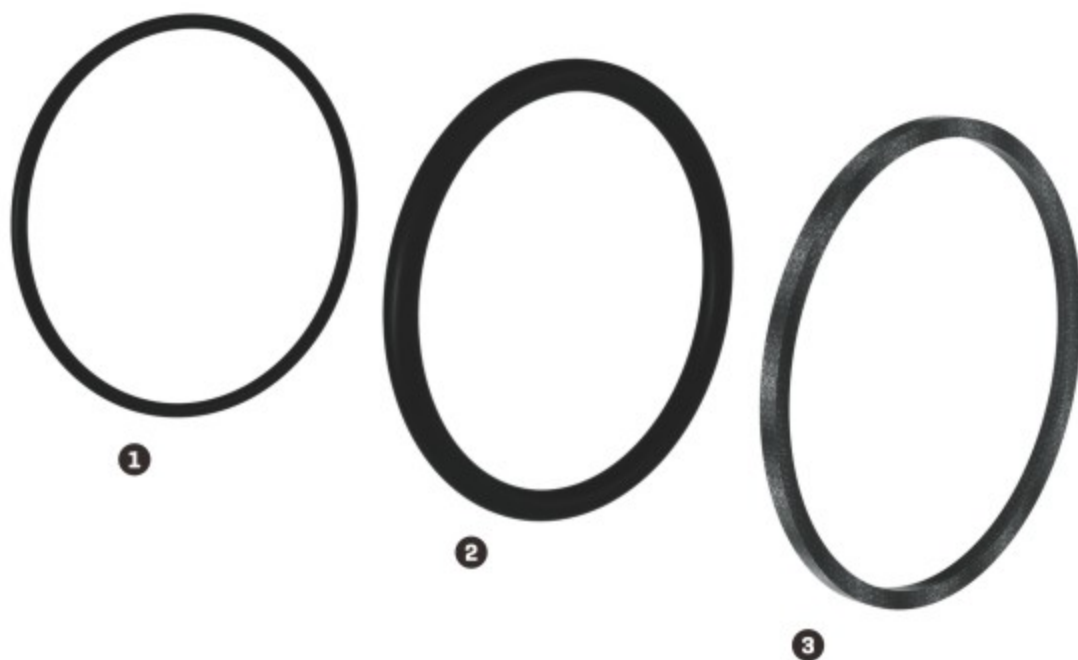
该阀座由金属基座内安装高性能抗失压爆破[AED]弹性体密封圈与球体形成密封副。再装配入金属压环,起到限位和固定作用。

特性:

金属基座隔离颗粒物质,保护弹性体密封圈;弹性体密封圈补偿量大,密封效果好。

适用:

推荐用于经常启闭的中低压力中等口径含天然气介质工况。腾博推荐尺寸为DN150-DN400,压力等级PN16-PN40, Class150-Class300。



1	2	3	4	5	6
副O形圈 Minor O-Ring	主O形圈 Major O-Ring	石墨盘根 Graphite Packing	阀座圈 Seat Ring	三角圈 Delta Ring	压环 Compression Ring

Structure:

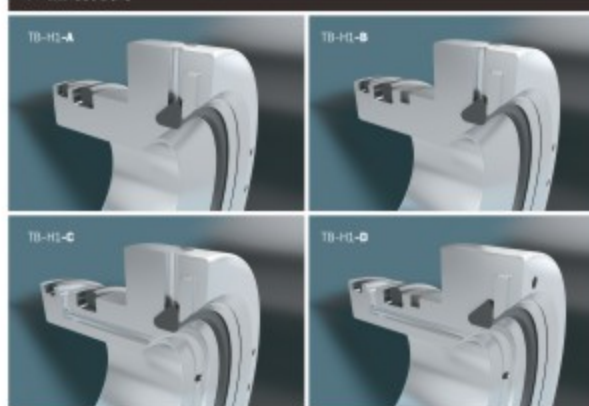
The seat consists of a high-performance anti-pressure explosion [AED] elastomer seal ring and a sphere, which is installed in the metal base to form a sealing pair. The metal compression ring is mounted for limit and fastening.

Characteristic:

Metal plug-in unit isolates particulate matter and protects elastomeric sealing ring. The elastomer seal ring has a large compensation available for great sealing effect.

Application:

This structure is recommended to be used in medium or low pressure and medium caliber natural-gas-containing medium with frequent opening and closing. The recommended dimensions of Tengbo are DN150-DN400, pressure grade PN16-PN40, Class150-Class300.

产品结构图 PRODUCT STRUCTURE

结构:

该阀座由金属基座内安装高性能抗失压爆破(AED)弹性体密封圈与球体形成密封副,再装配入金属压环,压入工程塑料插件。

特性:

启闭时塑料插件擦拭球体表面污垢,对密封圈有很好的保护作用。插件可防止球体安装时尺寸偏差造成球体和阀座擦伤的隐患。当有注脂需求时,密封脂在弹性体和插件之间形成一条密封环,仅用少量密封脂即可实现紧急密封。

适用:

推荐使用于经常启闭的中高压,中大口径含天然气介质工况,腾博推荐尺寸为DN150-DN600,压力等级PN16-PN150, Class150-Class900。



1	2	3	4	5	6	7
副O形圈 Minor O-Ring	主O形圈 Major O-Ring	石墨盘根 Graphite Packing	阀座圈 Seat Ring	插件 Plug-in Unit	三角圈 Delta Ring	压环 Compression Ring

Structure:

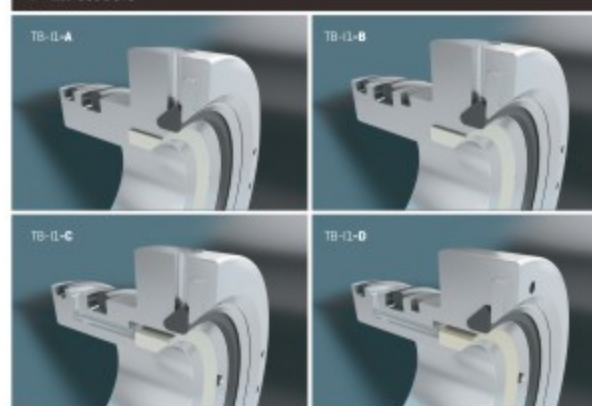
The valve seat is composed of a high performance anti-pressure explosion (AED) elastomer sealing ring and a sphere in the metal base to form a sealing pair, and then mounted with a metal compression ring and pressed with an engineering plastic plug-in unit.

Characteristic:

The plastic plug-in unit wipes off the dirt on the surface of the sphere during opening and closing, which has a good protective effect on the sealing ring. Plug-in unit prevents the ball and valve seat from scratching due to dimension deviation during sphere installation. When there is a need for grease injection, a sealing ring is formed by the sealing grease between the elastomer and the plug-in unit. Emergency sealing can be achieved with only a small amount of grease.

Application:

It is recommended to be used in medium or high pressure and medium or large caliber medium containing natural gas with frequently opening and closing. The recommended dimensions of Tengbo are DN150-DN600, pressure grade PN16-PN150, Class150-Class900.

产品结构图 PRODUCT STRUCTURE

结构:

阀座由金属基座内安装高性能抗失压爆破(AED)弹性体密封圈与球体形成密封副,外加表面涂层与球体组成双密封副,阀座装有金属弹性垫圈,起到限位和固定作用。

特性:

阀座初级密封为金属密封,次密封为弹性体密封,保证密封零泄漏;金属密封隔离了介质中的颗粒物,保护了弹性体密封圈,延长了阀门使用寿命,起到免维护的作用。

适用:

此结构推荐使用用于经常启闭的中高压中大等口径含介质含部分固体颗粒的工况,腾博推荐尺寸为DN150~DN600,压力等级PN16~PN150, Class150~Class900。

**Structure:**

The seat has double sealing pairs. One is composed with a sphere and a high-performance anti-pressure explosion (AED) elastomer seal ring, which is installed in the metal base. And the other one is composed with surface coating and a sphere. It is installed with metal elastic washer for the function of limit and fastening.

Characteristic:

The primary seal of the valve seat is a metal seal, and the secondary seal is an elastic seal, which is to ensure zero leakage of the seal. The metal seal isolates the particulate matter in the medium, protects the elastic sealing ring, prolongs the service life of the valve, and it is maintenance-free.

Application:

This structure is recommended to be used in medium and high pressure, medium and large size while the medium is containing some solid particles, which is frequently on and off. The recommended dimensions of Tengbo are DN150~DN600, pressure grade PN16~PN150, Class150~Class900.

产品结构图 PRODUCT STRUCTURE

1	2	3	4	5	6	7
副O形圈 Minor O-Ring	主O形圈 Major O-Ring	石墨盘根 Graphite Packing	阀座圈 Seat Ring	合金圈 Alloy Ring	三角圈 Delta Ring	压环 Compression Ring

结构:

该阀座同样由金属基座镶入工程塑料插件, 装配后精加工, 与球体组成密封副。插件由热塑性塑料制成, 通过液压机压入基座, 实现紧配合。

特性:

腾博基座沟槽内有独特的预紧和防脱设计, 使得插件紧锁在沟槽内, 不被吹出。取消了内外滚压和压板锁紧, 既减少了加工工艺, 又避免了镀层的损坏, 使阀座不仅性能稳定还外观漂亮。阀座将弹簧设置于基座T形头部后, 有效避免了介质中污垢沉积对弹簧的影响。阀座背面有效推力可控制得较小, 全压差条件下阀门启闭扭矩更轻巧。

适用:

此结构推荐使用于中高压工况。腾博推荐尺寸为DN50-DN600, 压力等级PN63-PN420, Class400-Class2500。

**Structure:**

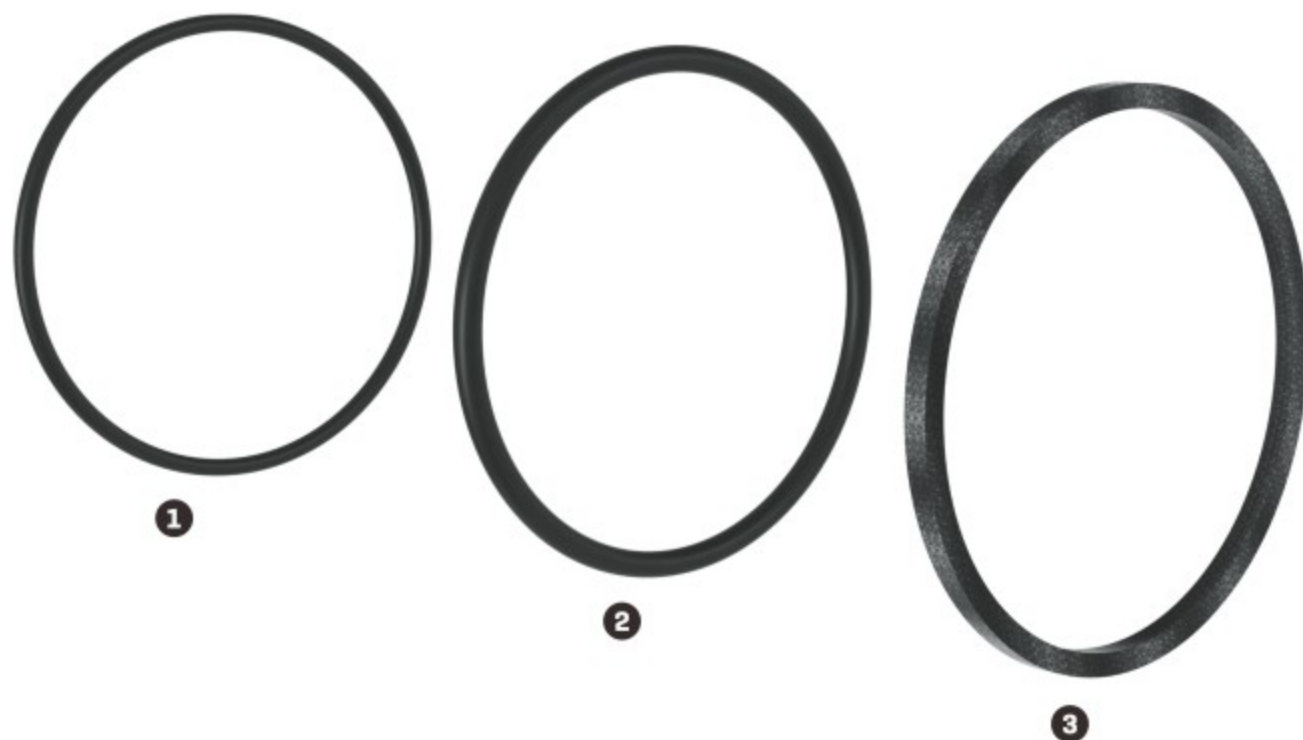
The valve seat is inlaid with engineering plastic plug-in unit in metal base, and is finished after mounting to form a sealing pair with the sphere. The plug-in unit is made of thermoplastic plastics and is pressed into the base by a hydraulic press to achieve tight fit.

Characteristic:

Tengbo base groove has a unique pre-loaded and anti-release structure, so that the plug-in unit is locked in the groove, not blown out. By eliminating internal and external rolling and plate locking, not only the processing is reduced, but also the damage of coating is avoided, as a result the valve seat is stable in performance and beautiful in appearance. The spring of the seat is mounted at the tee head of the base, which can effectively avoid the dirt in the medium to impact on the spring. The effective thrust at the back can be controlled to be less, the valve can be opened and closed easier under total pressure difference.

Application:

This structure is recommended for medium and high pressure operation. Tengbo recommended size is DN50-DN600, pressure grade PN63-PN420, Class400-Class2500.

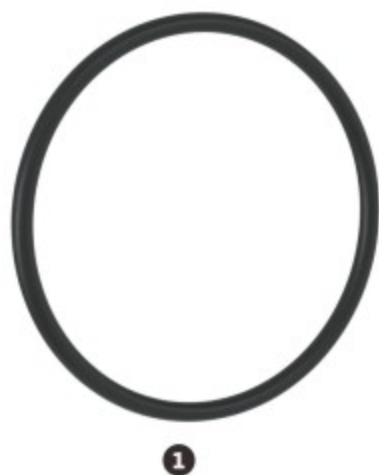


1	2	3	4	5
副O形圈 Minor O-Ring	主O形圈 Major O-Ring	石墨盘根 Graphite Packing	阀座圈 Seat Ring	插件 Plug-in Unit

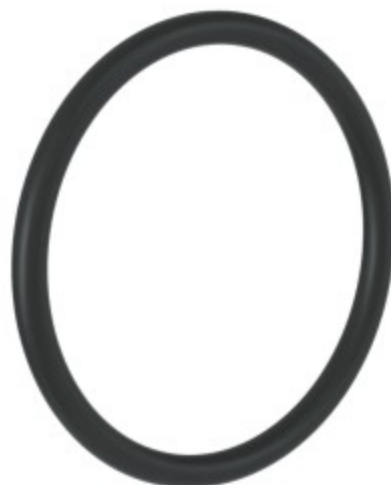
结构:
金属密封型阀座由金属基座加表面涂层组成密封副。

特性:
基座设计与楔式闸阀同原理的微量弹性自适应槽, 自适应槽的微量补偿, 可适当降低阀门装配要求, 提高一次装配合格率。密封面两个端部均设计为锐边保持, 阀门启闭过程中可刮除球面粘接污垢, 减少球体腐蚀和阀座密封面损伤。通过不断的技术的进步, 该金属阀座密封面粗糙度达到0.2以下, 气体介质可达到零泄漏。

适用:
推荐使用于温度不高, 频繁启闭, 介质含少量固体颗粒的工况。腾博推荐尺寸为DN50~DN400, 压力等级PN16~PN420, Class150~Class2500。



1



2



3



4



5

1	2	3	4	5
副O形圈 Minor O-Ring	主O形圈 Major O-Ring	石墨盘根 Graphite Packing	阀座圈 Seat Ring	合金圈 Alloy Ring

Structure:
Metal sealing seat is a sealing pair composed of metal base and surface coating.

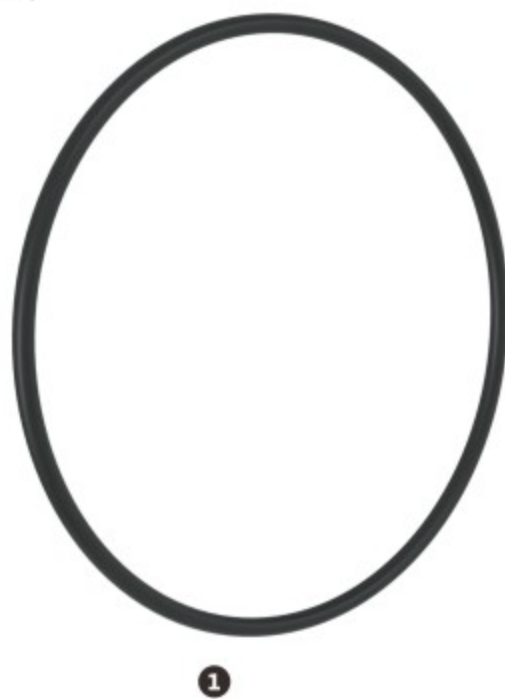
Characteristic:
The design of micro-elastic adaptive groove with the same principle as wedge gate valve and the micro-compensation of the adaptive groove can appropriately reduce the assembly requirements of the valve and improve the qualification rate of the primary assembly. Both ends of the sealing surface are designed to keep sharp edges. During the opening and closing process of the valve, the spherical adhesion dirt can be scraped to reduce the corrosion of the sphere and the damage of the sealing surface of the valve seat. Through continuous technological progress, the roughness of the sealing surface of the metal seat is less than 0.2, while the gas medium can attain zero leakage.

Application:
The structure is recommended for not high temperature, frequent opening and closing, medium containing a small amount of solid particles. The recommended size of Tengbo is DN50-DN400, pressure grade PN16-PN420, Class150-Class2500.

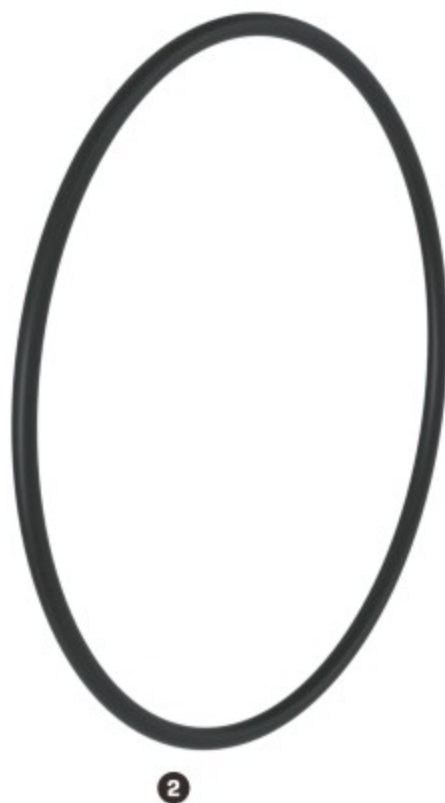
结构:
金属密封型阀座由金属基座加表面涂层组成密封副。

特性:
基座采用直筒式设计, 阀座强度高, 刚性足, 介质推力大, 密封比压高, 密封效果好, 密封面宽, 使用寿命长。密封面两个端部均设计为锐边保持, 阀门启闭过程中可刮除球面粘接污垢, 减少球体腐蚀和阀座密封面损伤。阀座采用防尘设计, 避免了污物沉积。

适用:
推荐使用于温度不高, 频繁启闭, 受到结构长度影响, 阀座安装空间较小的硬密封固定球阀, 腾博推荐尺寸为DN40-DN400, 压力等级PN16-PN40, Class150-Class300。



1



2

1	2	3	4
副O形圈 Minor O-Ring	主O形圈 Major O-Ring	阀座圈 Seat Ring	合金圈 Alloy Ring

Structure:
Metal sealing seat is a sealing pair composed of metal base and surface coating.

Characteristic:
The base has a straight tube structure, the seat has the merits of good strength, fine rigidity, large thrust, high sealing pressure, excellent sealing effect, broad sealing surface and long service life. Both ends of the sealing surface are designed to keep sharp edges. During the opening and closing process of the valve, the spherical adhesion dirt can be scraped to reduce the corrosion of the sphere and the damage of the sealing surface of the valve seat. The dirt-proof design can keep away from dirt deposit.

Application:
The structure is recommended for not high temperature, frequent opening and closing, suitable for hard-seal trunnion ball valves that with narrow installation space due to the factor of structural length. The recommended size of Tengbo is DN40-DN400, pressure grade PN16-PN40, Class150-Class300.



3



4

结构:

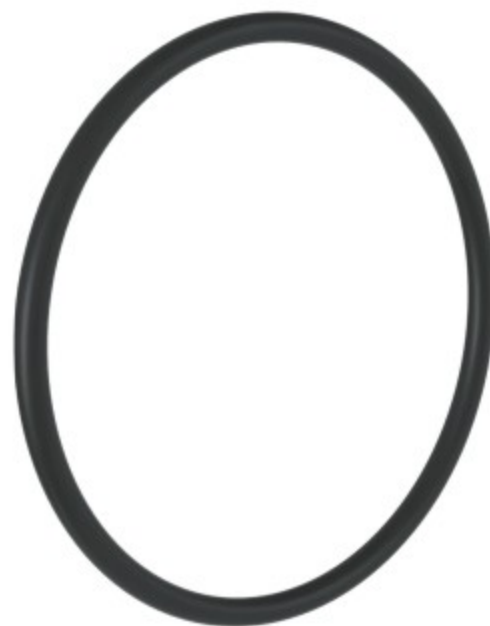
金属密封型阀座由金属基座加表面涂层组成密封副。

特性:

基座采用直筒式设计, 阀座强度高, 刚性足, 介质推力大, 密封比压高, 密封效果好, 密封面宽, 使用寿命长。密封面两个端部均设计为锐边保持, 阀门启闭过程中可刮除球面粘接污垢, 减少球体腐蚀和阀座密封面损伤。阀门全开时, 弹簧预紧力将球体定位于阀体中心; 阀门关闭时, 介质推力推动球体, 实现下游密封。

适用:

推荐用于温度不高, 频繁启闭, 中小口径的硬密封浮动球阀, 腾博推荐尺寸为DN40~DN100, 压力等级PN16~PN100, Class150~Class600。



1

1	2	3
O形圈 O-Ring	阀座圈 Seat Ring	合金圈 Alloy Ring

Structure:

Metal sealing seat is a sealing pair composed of metal base and surface coating.

Characteristic:

The base has a straight tube structure, the seat has the merits of good strength, fine rigidity, large thrust, high sealing pressure, excellent sealing effect, broad sealing surface and long service life. Both ends of the sealing surface are designed to keep sharp edges. During the opening and closing process of the valve, the spherical adhesion dirt can be scraped to reduce the corrosion of the sphere and the damage of the sealing surface of the valve seat. When the valve is fully opened, the spring preloaded force enables the sphere to be positioned in the center of the valve; while the fully closed, the medium thrust pushes the sphere to attain the downstream sealing.

Application:

The seat is recommended for not high temperature, frequent opening and closing, suitable for middle or small caliber hard-seal floating ball valves. The recommended size of Tengbo is DN40-DN100, pressure grade PN16-PN100, Class150-Class600.



2



3

结构:

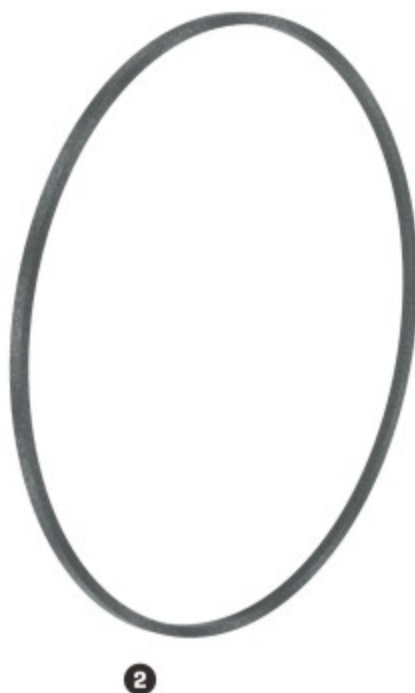
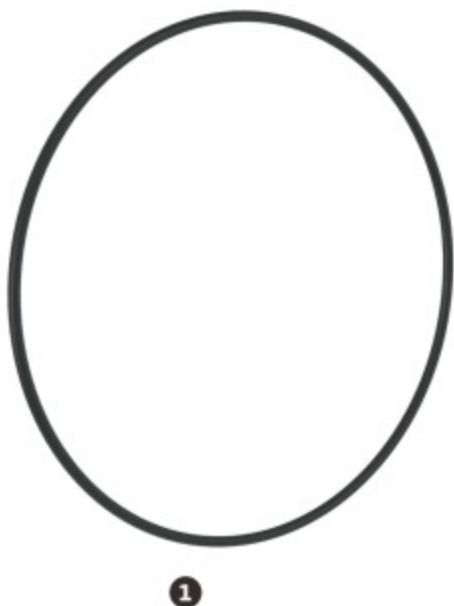
金属密封型阀座由金属基座加表面涂层组成密封副。

特性:

基座采用T型设计, 很好的控制了介质推力的大小, 阀门启闭扭矩小。操作更加轻松。密封面两个端面均设计为锐边保持, 阀门启闭过程中可刮除球面粘接污垢, 减少球体腐蚀和阀座密封面损伤。预紧弹簧设置于阀座头部, 解决了污物沉积, 导致弹簧卡滞的隐患。

适用:

推荐使用于温度不高, 频繁启闭, 介质含少量固体颗粒的工况, 腾博推荐尺寸为DN150-DN500, 压力等级PN63-PN150, Class400-Class900。



1	2	3	4
O形圈 O-Ring	石墨盘根 Graphite Packing	阀座圈 Seat Ring	合金圈 Alloy Ring

Structure:

Metal sealing seat is a sealing pair composed of metal base and surface coating.

Characteristic:

The base has a tee-shape structure, which greatly controls the medium thrust to enable the opening/closing torque to be less, and the operation is more convenient. Both ends of the sealing surface are designed to keep sharp edges. During the opening and closing process of the valve, the spherical adhesion dirt can be scraped to reduce the corrosion of the sphere and the damage of the sealing surface of the valve seat. The preloaded spring mounted at the seat head eliminates the dirt deposit and the trouble of spring catching.

Application:

The seat is recommended for not high temperature, frequent opening and closing, the medium containing small amount of solid particles. The recommended size of Tengbo is DN150-DN500, pressure grade PN63-PN150, Class400-Class900.

TBO 腾博

结构:
金属密封型阀座由金属基座加表面堆焊层组成密封副。

特性:
阀座母材采用A105、F304、F11等常用材料, 配合M507Mo、Ni60、STL等密封面材料, 适用范围广。母材与焊丝采用平面堆焊, 焊接融合好。堆焊层堆焊高度, 加工后纯合金厚度不小于2mm, 密封面宽度宽, 经久耐用。

适用:
推荐使用于各种常用闸阀、截止阀、止回阀阀座, 腾博推荐尺寸为DN50-DN300, 压力等级PN16-PN150, Class150-Class900。



A105+D507Mo



1



2

A105+D507Mo

1	2
阀座圈 Seat Ring	合金圈 Alloy Ring

TBO 腾博

Structure:
Metal sealing seat is a sealing pair composed of metal base and surface coating.

Characteristic:
The seat is made from A105, F304, F11 and other common materials, applies M507Mo, Ni60, STL and other sealing surface materials, has a wide applicable scope. The base materials and welding wire is plane hardfacing welded with a nice welding combination. The welding cladding has high hardfacing, the thickness of processed pure alloy is less than 2mm, but the sealing face is durable with wide surface.

Application:
The seat is recommended to be used in various common gate valves, globe valves, check valves. The recommended size of Tengbo is DN50-DN300, pressure grade PN16-PN150, Class150-Class900.



A105+STL6



1



2

A105+STL6

1	2
阀座圈 Seat Ring	合金圈 Alloy Ring